



THE

RecyCool PLANET

The Official RecyCool Club Publication

Fall Edition

Greetings RecyCool Friends!

It's that time of year when the leaves change color and the weather starts to cool down. I hope all of you had a great summer. I had a great time with my pals this summer, going to various fairs and baseball games throughout California and encouraging everyone I met to recycle their beverage containers. I spoke to a lot of new and old RecyCoolers about what they recycle. Many of you are doing a great job of recycling!

My friends at the Department of Conservation visited the East Bay Conservation Corps' Project YES (Youth Engaged in Service) Program in Oakland this summer. Project YES fellows are actively involved in their communities by providing services such as beautification projects, litter abatement and recycling! What a great way to spend your summer by making such a positive contribution to your community. Way to go Project YES! Keep up the good work!

If some of you have ideas on ways we can reuse things or ideas on crafts you can make with the items you no longer use, I will be happy to share them with other RecyCool Club members on my web site or in future issues of my RecyCool Planet newsletter. You can mail your ideas to me at: **Department of Conservation, RecyCool Club, 801 K Street, MS 20-24, Sacramento, CA 95814.** You can also send them by email to: www.recyclerex@consrv.ca.gov.

This issue of the RecyCool Planet newsletter features many cool games that will help you learn about what glass items you can recycle and how glass is recycled into new things. Glass has been recycled into items such as jars and bottles for centuries. Over three thousand years ago, the Egyptians began making glass and using glass for all kinds of items from jewelry to drinking cups. Do you know what they made glass out of back then? It's the same ingredients that we use today. Sand! (And a few other ingredients too, but mostly sand.) Broken pieces of old glass are mixed with the sand and other ingredients to make many of the glass items we use today. Glass is one of those materials that can be recycled over and over again! There's no end to it!

This fall I'll be traveling to El Dorado, Yolo, Nevada, Sacramento, Kern, San Joaquin, and Sacramento Counties to play my Close The Loop Quiz Show! If you live in one of those counties, look for my pals and me! We may be visiting your school!

Remember to recycle where you live, learn and play!

Recycle at School Too!

Oh no! There wasn't a recycle bin at Recycle Rex's school... Help Recycle Rex take his aluminum, glass and plastic California Redemption Value beverage containers to the recycling center!

Can you recycle your juice, water and soda beverage containers at school?

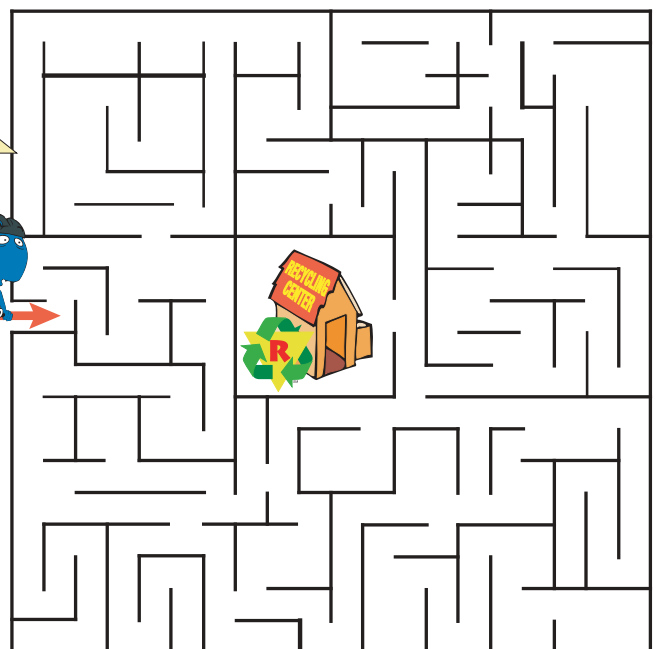
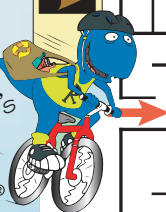
If there are recycling bins at your school, please don't forget to use them.

If there aren't recycling bins, ask your teacher or principal how they can help get a recycling program in your school. Tell them to call 1-800-RECYCLE if they need help getting started!

Question:
Put a penny or dime in an empty bottle and then stop the opening with a cork. How can you get the coin out of the bottle without pulling out the cork or breaking the bottle?

Answer:
Push the cork into the bottle, and shake the coin out.

DIME



Word Jumble

Many products that you use every day are made from recycled glass. Unscramble the following words to find out what items are created from recycled glass. Match up the special letters according to their number to solve the secret sentence at the end

SBMRALE _ _ _ _ _ 7 _ _ _
 RJA _ _ 8 _ _
 ESVA _ _ _ _ _ 6
 LTIE _ 3 _ _ _ _
 GMU _ _ _ _ _
 TBTLEO _ _ _ _ _ 4 _ _
 NELCDA RHSODLE _ 7 _ _ 9 _ _ _ _ _ 2 _ _ _ _ _
 HFSI WOLB _ _ _ _ _



Fact!

Many other products can be made from recycled glass! For example, coasters, ornaments, windows, jewelry, earrings, lamps, paper weights, dishes, and perfume bottles can all be made from recycled glass!

Recycle! It's good for the _ 1 _ 2 _ 3 _ 4 _ 5 _ 6 ! It's good for the _ 7 _ 8 _ 9 !

Glass Facts

- In the year 2000, did you know that more than 5,009,000 glass beverage containers were recycled each day in California? That means that more than 208,500 glass beverage containers were recycled every hour and more than 3,400 glass beverage containers were recycled every minute.
- For the year 2000, the average glass bottle manufactured in California contains 38% recycled glass.
- Glass takes 1,000,000 years to decompose (break down into tiny pieces).
- Glass recycling reduces the amount of waste we create, thus saving landfill space.
- Glass recycling saves resources - each ton of recycled glass saves 1.2 tons of raw material (sand, limestone and soda ash).
- In 2000, nearly 700,000 tons of recycled glass was used by California glass container fiberglass manufacturers to make new products.



Glass Items You Can Place In Your Recycle Bin

Some types of glass are made from ingredients that are different from the ones used to make bottles and jars. That means they cannot be recycled with bottles and jars you place in your curbside recycle bin.

Glass containers you CAN place in your recycle bin:



SODA BOTTLES



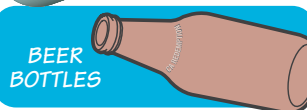
JUICE BOTTLES



COFFEE AND TEA DRINK BOTTLES



WINE AND LIQUOR BOTTLES



BEER BOTTLES



KETCHUP BOTTLES



FOOD JARS

Glass items you CANNOT place in your recycle bin:



LIGHT BULBS



MIRRORS



GLASS AND CERAMIC CUPS AND PLATES



CRYSTAL



CLAY FLOWER POTS



WINDOW GLASS



HEAT RESISTANT OVENWARE

Answer to Word Jumble:

Recycle! It's good for the _ 1 _ 2 _ 3 _ 4 _ 5 _ 6 ! It's good for the _ 7 _ 8 _ 9 !

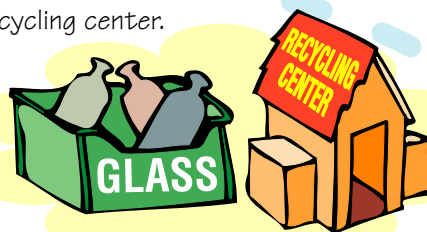
Congratulations

Congratulations to all the RecyCool Club Graduates! If this is the fourth newsletter you've received from me, you've officially graduated from my RecyCool Club! You can continue to learn about recycling, reducing, reusing and closing the loop on my website: www.conservation.ca.gov Look for the "Kids Only" section. Please remember to recycle where you live, learn and play!

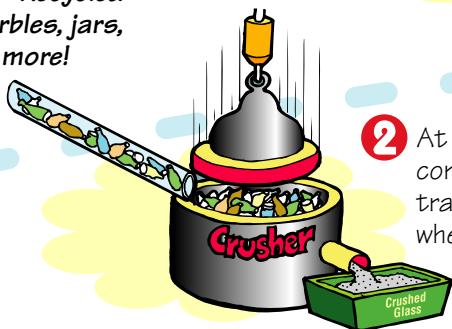
Glass Recycling Process

Have you ever thought about what happens to the glass bottles that you place into your curbside recycle bin or take to the recycling center to be recycled? Recycled glass can be used to make marbles, jars, bottles, plates, bowls, tile and more! This is how:

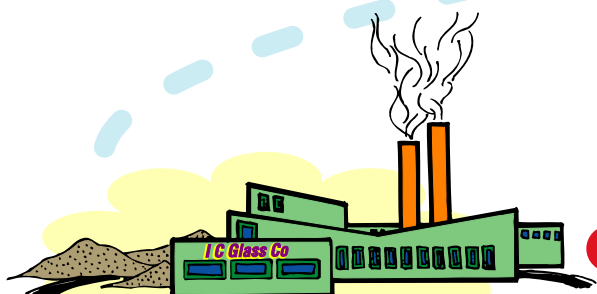
- 1 The glass bottles collected from your curbside bins are taken to the recycling center.



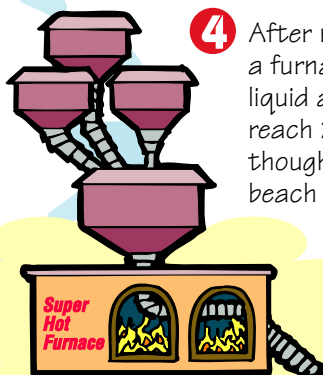
- 2 At the recycling center, the glass containers are sorted by color and transported to a processing facility where they are cleaned and crushed into tiny pieces called cullet.



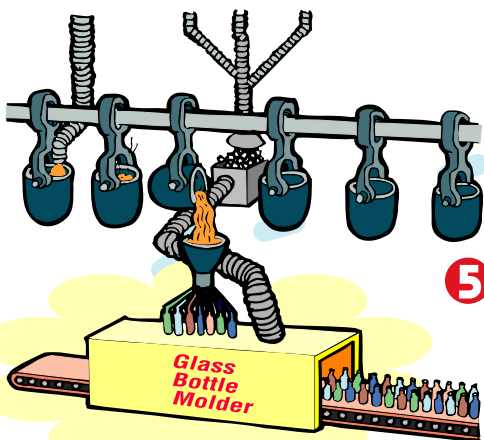
- 3 The cullet is transported to a glass manufacturing plant and mixed with sand, soda ash and limestone (minerals that come out of the ground).



- 4 After mixing, the batch is fed into a furnace and is melted into a thick liquid at temperatures that can reach 2800 F. (Ouch! And you thought walking on the sand at the beach was hot.)



- 5 The melted glass is dropped into a glass forming machine where it is poured into molds, blown with air and shaped into its final shape such as a soda bottle.



- 6 Once the mold is removed, the glass is cooled, inspected and shipped to companies that make drinks and food.

